

Industrial Data Terminal with integrated high speed printer for improved business efficiency



- High speed thermal printer, capable of up to 28 lines per second, comes as standard
- C-MOS Imager for scanning 2D/1D symbologies and image capture (M55U models only)
- Magnetic Card Reader compatible with ISO7811 for reading data on Tracks 1, 2 and 3 (M54E2/M55U models only)
- Rugged and durable. Drop tested from 4 feet (1.2 m) to concrete, sealed against dust and water to level IP54 and capable of operating in temperatures from -4°F to 122°F / -20°C to 50°C
- Easy operation with a large, backlit keyboard
- Various industrial standard interfaces for system expansion
- 3.5-inch (240 x 320 dots) 2-way TFT color LCD for indoor and outdoor use



GENERAL GUIDE / OPTIONS



Model Selection

Model	Bluetooth	Magnetic Card Reader	C-MOS Imager
IT-3000M53E	Yes	No	No
IT-3000M54E2	Yes	Yes	No
IT-3000M55U	Yes	Yes	Yes

SPECIFICATIONS

CPU	Intel®PXA255 Application Processor (Max. 400MHz)
OS	Microsoft®Windows®CE .NET 4.1 English Version
Memory	
RAM	64 MB
F-ROM	96 MB (User area: Approx. 30 MB)
Display	
Type	3.5-inch 2-way TFT color LCD
Resolution	240 x 320 dots
Backlight	LED (Automatic control via brightness sensor)
Indicator	2-color LED x 2
Printer	
Printing method	Thermal line dot
Paper width	80 mm or 58 mm
Printing width	72 mm or 48 mm
Speed	28 lines per second (while printing Kanji characters)
Paper	Roll paper, formed paper (1P/2P), label paper
Total number of print dots	576 (if printed on 80 mm width paper)
Character size	Free double-width characters
Font type	ANK, Symbologies (UPC-E, NW-7, Code39, Code128, OCR-B, user-defined characters x 128)
Sensor	Positioning for printing
C-MOS Imager (IT-3000M55U)	
Type	1/4-inch C-MOS Imager
1D readable symbologies	EAN, UPCA/E, Code39, NW7/Codabar, ITF, Code93, Code128, MSI/Plessey, IATA, Code11, RSS
2D readable symbologies	Code49, PDF417, MicroPDF, Codablock, Aztec, AztecMesa, QRCode, MaxiCode, DataMatrix (ECC000/050/080/100/140/200), Composite
Image capturing	Max. 640 x 480 pixels, 2 or 256 gray scales, BMP or JPEG
Magnetic Card Reader (IT-3000M54E2/M55U)	
Standard	ISO Tracks 1, 2 and 3 (ISO/IEC 7811-2:2001)
Input	
Keyboard	Numeric (Alphabet) keys, Double zero key, CLR key, ENT key, Cursor keys, Power key, Fn key, BS key, - key, . (Decimal) key
Program key	Right, Left sides
Touchpanel	Plastic panel (resolution 240 x 320 dots) with character input pad
Audio	
Speaker	Built-in (Monaural)

Interface	
Bluetooth	Bluetooth™ Version 1.1 compatible
Infrared	IrDA 1.1 compatible Max. 4 Mbps (under CASIO original protocol)
Serial	RS-232C level interface (M53E, M54E2)
14-pin Serial	RS-232C level interface
SD slot	SD memory card
PC card slot	PC card Type I/II (3.3V/5.0V) 3.3V; Max. 500 mA, 5.0V; Max. 1,000 mA
Power	
Operation	Lithium-ion battery pack (DT-9723LI) 7.4V 2200 mAh
Memory backup	Lithium battery (rechargeable) on board
Charge time	Approx. 8 hours with DT-9723LI
Environment	
Operating temperature	-4°F to +122°F / -20°C to +50°C
Storage temperature	-4°F to +158°F / -20°C to +70°C
Operating humidity	10% to 80%RH (no condensation)
Storage humidity	5% to 90%RH (no condensation)
Dust/Water-splash proof	IP54
Drop durability	From 4 feet (1.2 m) in height onto concrete floor
Dimensions and weight	
Dimensions	IT-3000M53E Approx. 3.15"/4.25" (W) x 10.43" (D) x 1.10"/2.68" (H) in Approx. 80*/108** (W) x 265 (D) x 28*/68** (H) mm IT-3000M54E Approx. 3.15"/4.25" (W) x 11.61" (D) x 1.10"/2.68" (H) in Approx. 80*/108** (W) x 295 (D) x 28*/68** (H) mm IT-3000M55E/M55U Approx. 3.15"/5.71" (W) x 11.61" (D) x 1.10"/2.76" (H) in Approx. 80*/145** (W) x 295 (D) x 28*/70** (H) mm *: display part, **: printer part (All sizes exclude extruding parts.)
Weight	IT-3000M53E Approx. 22.4 oz (1.40 lb, 635 g) IT-3000M54E Approx. 24.0 oz (1.50 lb, 680 g) IT-3000M55E/M55U Approx. 24.7 oz (1.54 lb, 700 g)
Application development tool	eMbedded Visual C++ 4.0, Visual Studio .NET 2003
Compliance	
Safety	
EMI, EMC	EN60950, UL60950
Bluetooth type approval	EN55022/EN55024, FCC Part 15B EN300328/EN301489, FCC Part 15C, RSS-210
Laser	Bluetooth logo certification EN60825-1+A2:2001, 21CFR Part 1040.10

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